

# Statewide Transportation Planning Framework Eastern Arizona Regional Framework Study

## Working Paper #2 Existing and Future Conditions

Prepared For:



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## Abbreviations

ADMP	Area Drainage Master Plan
ADOT	Arizona Department of Transportation
ADT	Average Daily Traffic
AGFD	Arizona Game and Fish Department
ALRIS	Arizona Land Resource and Information System
APS	Arizona Public Service
ARS	Arizona Revised Statutes
ASLD	Arizona State Land Department
ASTM	American Society for Testing and Materials
BLM	Bureau of Land Management
BRT	Bus Rapid Transit
CAAG	Central Arizona Association of Governments
CAP	Central Arizona Project
C-D	Collector-Distributor
CE	Categorical Exclusion
CFPO	Cactus Ferruginous Pygmy Owl
CIP	Capital Improvement Plan
CMAQ	Congestion Mitigation and Air Quality
CO	Carbon Monoxide
COG	Council of Governments
CYMPO	Central Yavapai Metropolitan Planning Organization
DCR	Design Concept Report
DOT	Department of Transportation
DU	Dwelling Unit
EA	Environmental Assessment
EIS	Environmental Impact Statement
EO	Environmental Overview
EPA	Environmental Protection Agency
EPZ	Emergency Planning Zone
FHWA	Federal Highway Administration

FMPO	Flagstaff Metropolitan Planning Organization
FTA	Federal Transit Administration
FWS	Fish and Wildlife Service
FY	Fiscal Year
GAO	Government Accountability Office
GIS	Geographic Information Systems
GPDA	General Plan Development Area
GVW	Gross Vehicle Weight
HOT	High Occupancy/Toll
HOV	High Occupancy Vehicle
HURF	Highway User Revenue Fund
I	Interstate
ISA	Initial Site Assessment
ISTEA	Intermodal Surface Transportation Efficiency Act
ITS	Intelligent Transportation Systems
L/DCR	Location/Design Concept Report
LOS	Level of Service
LRT	Light Rail Transit
LWCFA	Land and Water Conservation Fund Act
MAG	Maricopa Association of Governments
MP	Milepost
MPA	Municipal Planning Area
MPO	Metropolitan Planning Organization
NAAQS	National Ambient Air Quality Standards
NACOG	Northern Arizona Council of Governments
NEPA	National Environmental Policy Act
NHS	National Highway System
NO <sub>2</sub>	Nitrogen Dioxide
O <sub>3</sub>	Ozone
O-D	Origin-Destination
PAG	Pima Association of Governments
PM	Particulate Matter

RAZ	Regional Analysis Zone
RMP	Resource Management Plan
RTP	Regional Transportation Plan
R/W	Right-of-Way
SAFETEA-LU	Safe, Accountable, Flexible, Efficient Transportation Equity Act: A Legacy for Users
SAZ	Socioeconomic Analysis Zone
SIP	State Implementation Plan
SPA	Special Planning Area
SEAGO	SouthEastern Arizona Governments Organization
SR	State Route
SRP	Salt River Project
STP	Surface Transportation Program
TAZ	Transportation (or Traffic) Analysis Zone
TDM	Transportation Demand Management
TEA-21	Transportation Equity Act for the 21 <sup>st</sup> Century
TI	Traffic Interchange
TIP	Transportation Improvement Program
TSM	Transportation Systems Management
UPRR	Union Pacific Railroad
US or U.S.	United States
USFS	United States Forest Service
USFWS	United States Fish and Wildlife Service
UZA	Urbanized Area
V/C	Volume to Capacity
VHT	Vehicle Hours of Travel
VMT	Vehicle Miles of Travel
WACOG	Western Arizona Council of Governments
WAPA	Western Area Power Administration
YMPO	Yuma Metropolitan Planning Organization

## 2.1 INTRODUCTION

The Arizona Department of Transportation (ADOT) Transportation Planning Division (TPD) is conducting the Eastern Arizona Regional Framework Study as one of a series of framework studies to address multimodal transportation needs across the state of Arizona. Each framework study will address multimodal transportation needs to identify long-range transportation needs of the state highway system, roads of regional significance, and public transportation systems. The transportation needs for this study are being identified and evaluated for a planning horizon to the year 2050. Based on the identified needs, improvement projects will be identified. Improvement projects may consist of modifications to existing systems or the establishment of new facilities and services.

The purpose of this working paper is to develop an understanding of the existing and future conditions within the Eastern Arizona Framework Study area. This encompasses an overview of the environmental context of the study area, including a description of the area's geology, topography, hydrology, natural infrastructure, and air quality, as well as identification of any hazardous material locations. This working paper also includes generalized land use patterns throughout the three focus areas, as collected through analysis of aerial photography and review of existing studies and plans.

An overview of the existing multi-modal transportation infrastructure for the Eastern Arizona Framework Study area includes a description of the existing aviation facilities, major roadway system, public transportation systems, rail infrastructure, and bicycle and pedestrian facilities. Additionally major programmed (committed or funded) short-term roadway improvements in the study area have been identified, as shown in current local Transportation Improvement Programs (TIPs), Capital Improvement Programs (CIPs), and the State Transportation Improvement Program (STIP).

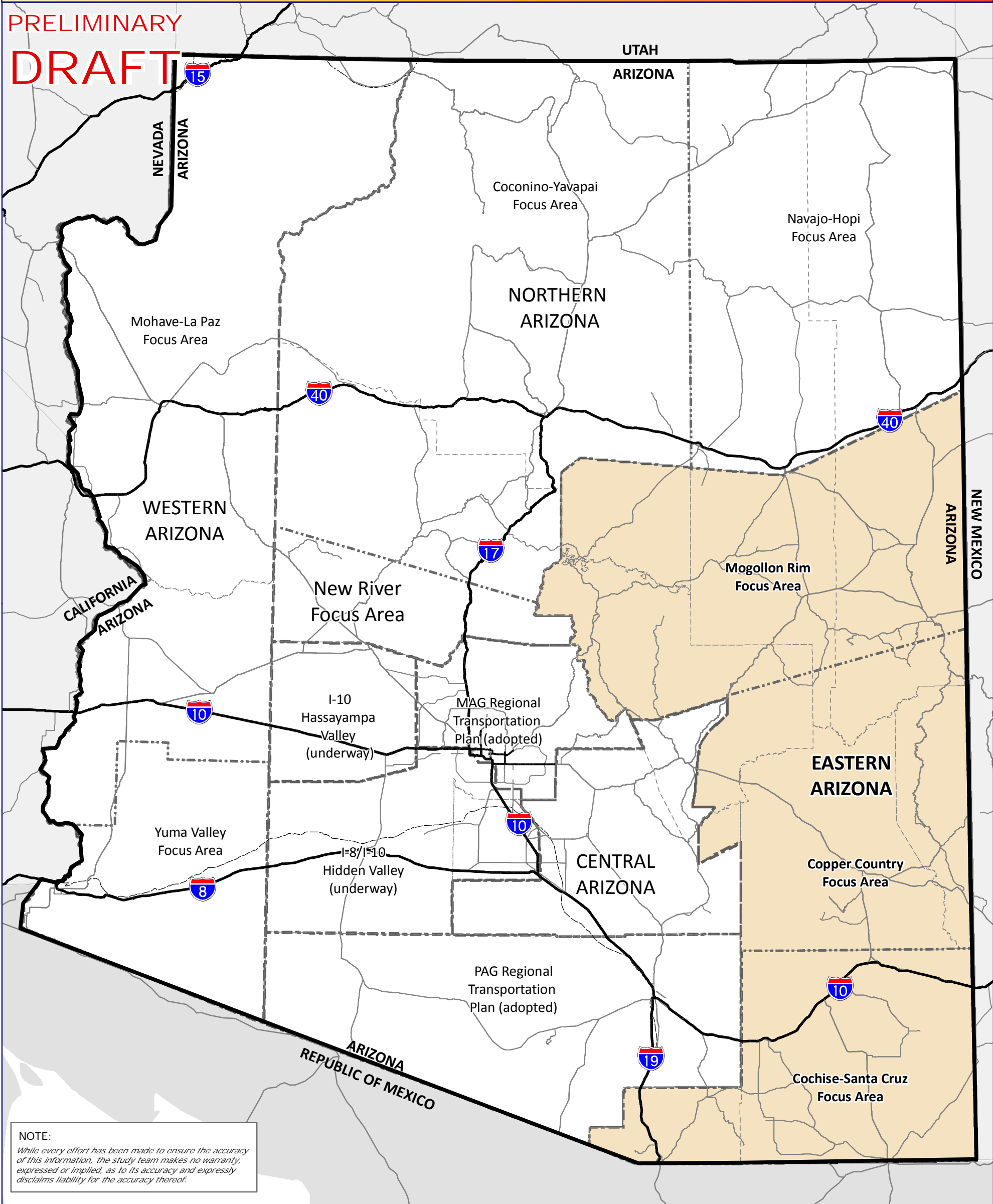
### 2.1.1 Study Area

The Eastern Arizona Framework Study area, as shown in Figure 2-1, encompasses south eastern Arizona south of Interstate 40 (I-40) and east of Maricopa, Pinal, and Pima counties, an area of approximately 29,000 square miles. The study area includes portions of Apache, Navajo, Pinal, Gila, Coconino, and Yavapai counties and all of Santa Cruz, Cochise, Graham, and Greenlee counties. The study area overlaps with South Eastern Arizona Governments Organization (SEAGO), Central Arizona Association of Governments (CAAG), and Northern Arizona Council of Governments (NACOG).

The study area has been further divided into three focus areas: the Mogollon Rim Focus Area, the Copper Country Focus Area, and the Cochise-Santa Cruz Focus Area, also shown on Figure 2-1. The focus areas are shown in detail on Figures 2-2, 2-3, and 2-4, which show general land ownership and municipal planning area boundaries.












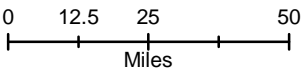
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**Figure 2-1 Study Area Location**

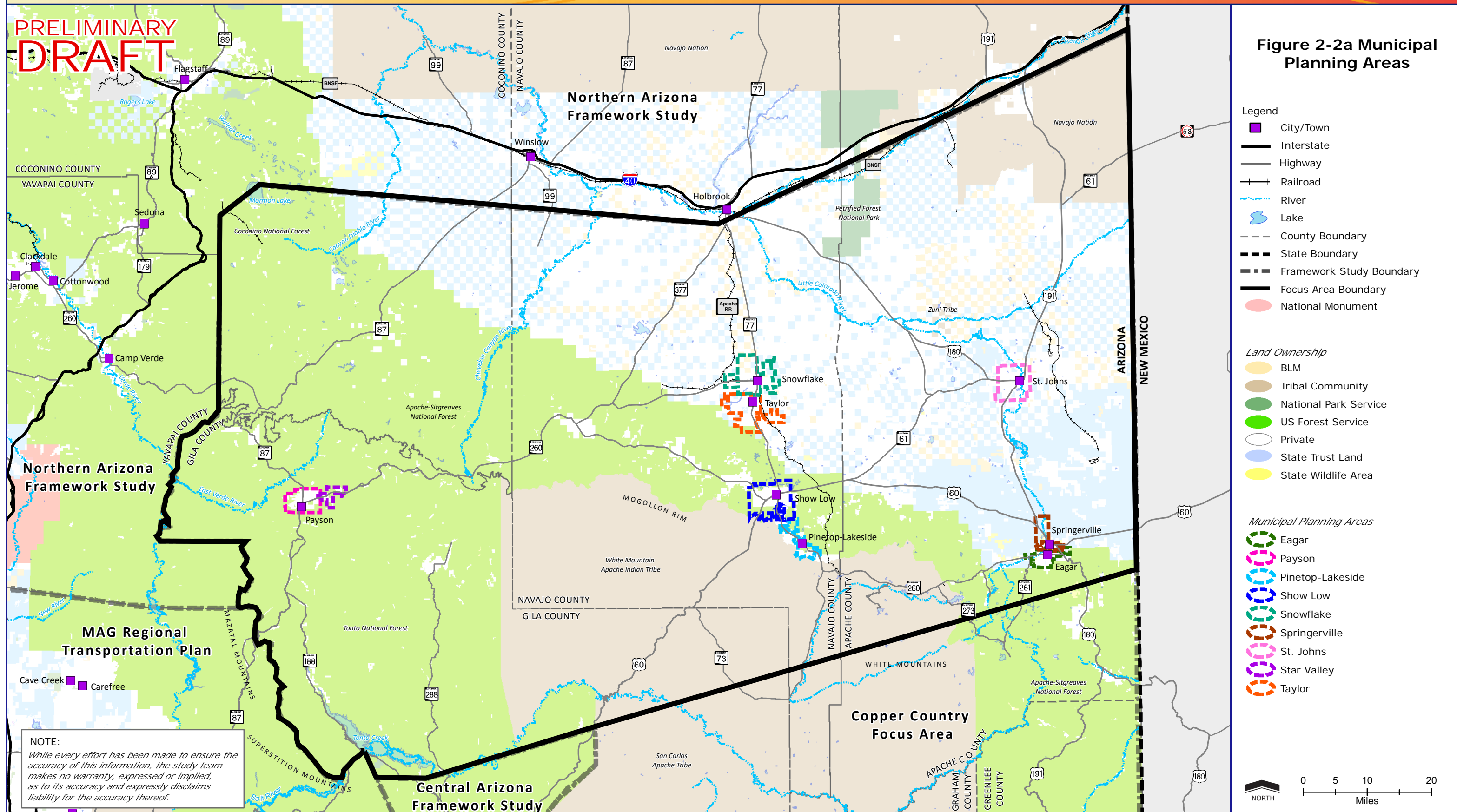
**Legend**

-  Interstate
-  Highway
-  Road
-  Railroad
-  County Boundary
-  State Boundary
-  Framework Study Boundary
-  Focus Area Boundary
-  Eastern Arizona Framework Study Area

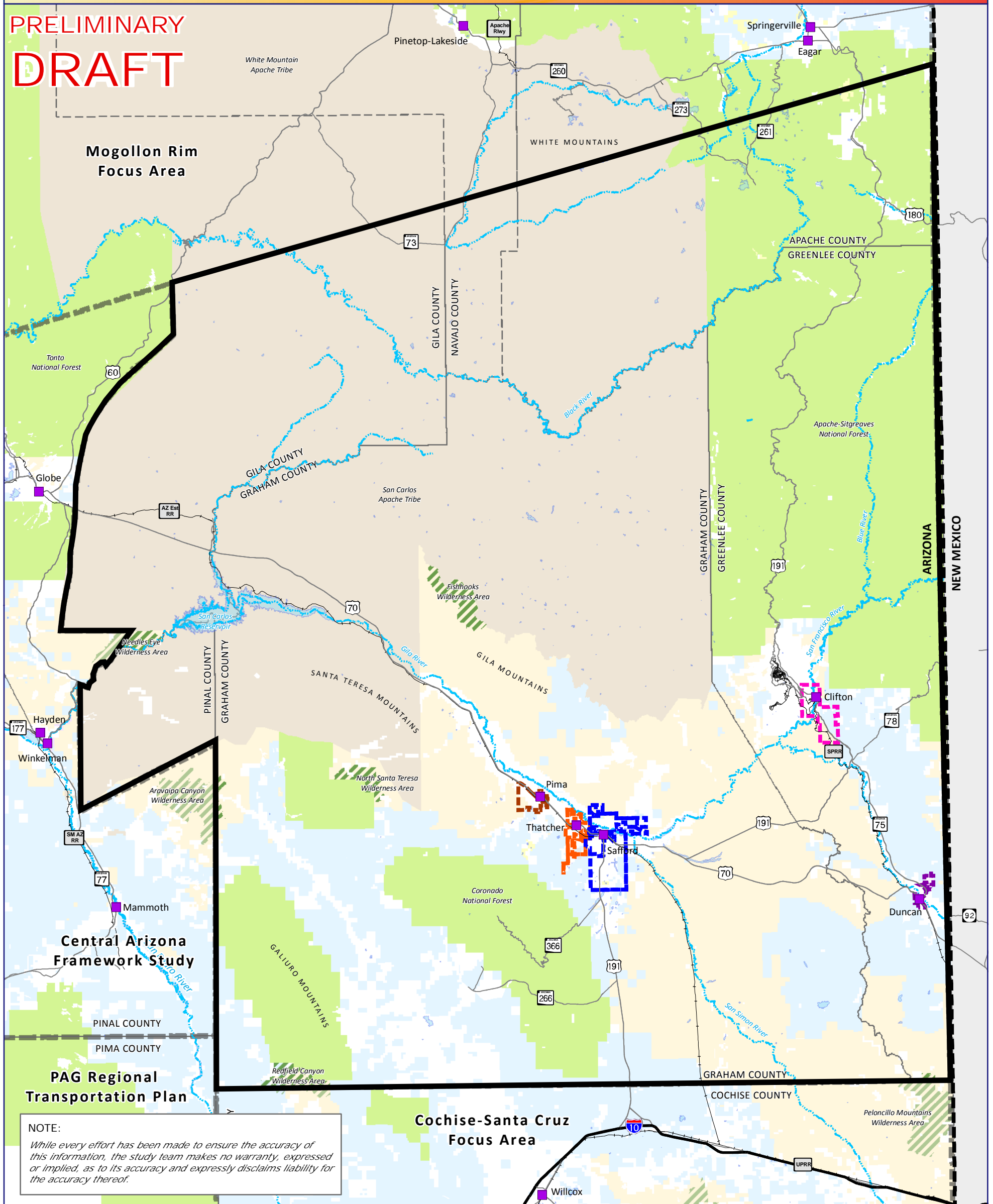




# Regional Framework Study: Eastern Arizona, Mogollon Rim Focus Area



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**Figure 2-2b Municipal Planning Areas**

